

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:25 ; Search time 140.11 Seconds
(without alignments)
8.074 Million cell updates/sec

Title: US-09-331-631A-1_COPY_186_248
Perfect score: 355
Sequence: 1 KRDPQREYEDCRRRCEQE.....MMNPQGGSGRYEGEGEEO 63

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6_COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/Backfile.s1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	120	33.8	566	1	US-07-955-905A-2
2	120	33.8	566	1	US-07-955-905A-22
3	114	32.1	587	1	US-07-955-905A-23
4	74	20.8	1898	1	US-08-056-200-94
5	74	20.8	1898	2	US-08-800-644-94
6	72.5	20.4	1162	2	US-08-728-323A-2
7	69	19.4	365	1	US-08-437-027-20
8	69	19.4	449	1	US-08-102-942A-4
9	69	19.4	449	1	US-08-102-942A-6
10	67	18.9	423	1	US-08-523-376-3
11	66	18.6	614	4	PCT-US95-03236-21
12	64	18.0	362	1	US-08-437-027-21
13	64	18.0	429	1	US-08-234-783-4
14	64	18.0	429	1	US-08-456-907-4
15	64	18.0	429	4	PCT-US95-05523-4
16	63.5	17.9	531	2	US-08-933-750C-9
17	63.5	17.9	531	3	US-09-234-613-9
18	63	17.7	434	1	US-08-337-602-2
19	63	17.7	434	3	US-08-558-135-2
20	63	17.7	2476	2	US-08-276-967-2
21	62.5	17.6	2441	1	US-08-194-468-2
22	62.5	17.6	2441	3	US-08-961-739-2
23	62.5	17.6	2703	1	US-08-185-432-19
24	61	17.5	360	2	US-08-531-927B-2
25	61	17.2	345	1	US-08-102-942A-2
26	60	16.9	77	2	US-08-570-227A-11
27	60	16.9	788	2	US-08-918-914-4
28	60	16.9	1805	1	US-07-853-913-2

29	59.5	16.8	361	1	US-08-415-751-4	Sequence 4, Appl 1
30	59	16.6	605	1	US-07-955-905A-24	Sequence 24, Appl 1
31	59	16.6	1171	1	US-08-445-135-1	Sequence 1, Appl 1
32	58.5	16.5	34	2	US-08-822-561-1	Sequence 1, Appl 1
33	58.5	16.5	220	4	PCT-US95-03236-36	Sequence 36, Appl 1
34	58.5	16.5	816	2	US-08-267-803B-9	Sequence 9, Appl 1
35	57.5	16.2	542	1	US-07-814-964-13	Sequence 13, Appl 1
36	57.5	16.2	542	1	US-08-258-442-13	Sequence 13, Appl 1
37	57.5	16.2	542	1	US-08-328-809-8	Sequence 8, Appl 1
38	57.5	16.2	542	4	PCT-US92-11107-13	Sequence 13, Appl 1
39	57	16.1	471	3	US-08-866-928B-1	Sequence 1, Appl 1
40	57	16.1	930	3	US-09-283-763-2	Sequence 2, Appl 1
41	56.5	15.9	571	1	US-07-955-905A-25	Sequence 25, Appl 1
42	56.5	15.9	993	3	US-09-060-410-4	Sequence 4, Appl 1
43	56	15.8	55	1	US-08-469-427A-3	Sequence 3, Appl 1
44	56	15.8	55	2	US-08-609-443B-3	Sequence 3, Appl 1
45	56	15.8	55	2	US-08-569-063C-3	Sequence 3, Appl 1

ALIGNMENTS

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RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-955-905A-2

Query Match 33.8%; Score 120; DB 1; Length 566;
Best local Similarity 40.8%; Pred. No. 2.9e-06;
Matches 29; Conservative 13; Mismatches 17; Indels 12; Gaps 5;

QY 1 KRDPQREYEDCRRRCEQE--EPRQHQCOLRC----REQDRHGRCGMNPNQGGSGR 54
:::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 35 ERDPQRO-QYRQOCRCRESEATEREDQRCRCREYKKEQROOE--ELDRQYQOCQGR 91
QY 55 YER---GEERQ 62
:|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 92 QDRQOCQOCRO 102

RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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Query Match	18.9%	Score 67;	DB 1;	Length 422;
Best Local Similarity	27.1%;	pred. No. 2.2;		
Matches	16;	Conservative	12;	Mismatches 17; Indels 14; Gaps 3.
Oy	1	KRDPOREY----	ECRRRCDEQEPDROHCO-----	LRCEQDORQNGRGDMNPPOR 49
Db	182	KHEQDQKQYSCFSECKCKTKFKKHQOKIKHCO	CONTNPLEK----	TOECCGHNAPSPK 236

RESULT 11
PCT-US95-03236-21
Sequence 21, Application PC/TUS9503236
GENERAL INFORMATION:
APPLICANT: University of Southern California
TITLE OF INVENTION: Methods to Diagnose and Treat HIV-1
TITLE OF INVENTION: Infection
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03236
FILING DATE: 13-MAR-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Imbda, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-SI 1394
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949

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; INFORMATION FOR SEQ ID NO: 21:
;
; SEQUENCE CHARACTERISTICS:
;     LENGTH: 614 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
;
Pc1-US95-03236-21

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Query Match	18.6%	Score	66	DB	4	Length	614
Best Local Similarity	27.9%	Pred.	No.	4.3			
Matches	19	Conservative	12	Mismatches	27	Indels	10
						Gaps	2

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QY      1 KRDPQGREVEYECRRRC--QGEPRQHQHCQLRCREQRQ-----HGRGSDMANRQG 50
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db    440 RRRSRDKGEERRRSRRSKDKDRDRKRSSRSRRERARRERERKEELRGGGDMAESEA 499

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QY	51	GSGRYEEG	58
		::	
Db	500	GDAPPDDG	507

RESULT 12
US-08-437-027-21

; Patent No. 5670317
; GENERAL INFORMATION:

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:
:  APPLICANT: Landanyi, Marc
:  APPLICANT: Gerald, William
:  TITLE OF INVENTION: A DIAGNOSTIC TEST FOR TEST FOR THE DESMOPLASTIC
:  TITLE OF INVENTION: SMALL ROUND CELL TUMOR
:  NUMBER OF SEQUENCES: 21
:  CORRESPONDENCE ADDRESS:
:

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ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.

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1  COMPUTER READABLE FORM:
2  MEDIUM TYPE: Floppy disk
3  COMPUTER: IBM PC compatible
4  OPERATING SYSTEM: PC-DOS/MS-DOS
5  SOFTWARE: PatentIn Release #1.0, Version #1.30
6  CURRENT APPLICATION DATA:
7  APPLICATION NUMBER: US/08/437,027
8  FILING DATE:
9

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1 CLASSIFICATION: 536
2
3 ATTORNEY/AGENT INFORMATION:
4
5 NAME: White, John P
6
7 REGISTRATION NUMBER: 28, 678
8
9 REFERENCE/DOCKET NUMBER: 46416/JPW/CCA
10
11 TELECOMMUNICATION INFORMATION:
12

TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS

SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: amino acid
STANDARDNESS: unknown

; STRANDEDNESS: unknown
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 US-08-437-027-21

Query Match	18.0%	Score 64	DB 1	Length 362
Best Local Similarity	25.0%	Pred. No. 4.2		
Matches 14, Conservative	13	Mismatches	23	Indels 6
				Gaps 1

Qy 4 PQRREYEDCRKRRCQQDEPRQHQCC-----LRCREDOFRQHGRCGDMNPNRQSGS 53
| : :: | | : : :: | : : | : : |
Db 268 PYCDEFKDCERFERSDQLKRHQRRHTGVKPRQCCTQAKRFSSRDHLKTHTYTHTNG 323


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;      LENGTH: 429 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
PCT-US95-05523-4
    
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Query Match      18.0%; Score 64; DB 4; length 429;
Best Local Similarity 25.0%; Pred. No. 5;
Matches 14; Conservative 13; Mismatches 23; Indels 6; Gaps 1;
    
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QY      4  PQCHREYEDCRRRCCEQDEPRROOHQCQ-----LCREEDQROHGRGGMNPNQGGSG 53
          | | : : | | | : : : | | : : | | : : | | : : | | : : | | : : |
Db      335 PYODFKDCERFRSRSDQLKRHQRHRTGVKPPQCKTCQKKFSRSDHLKTHRTHTG 390
    
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Search completed: March 1, 2001, 15:49:26
Job time: 371 sec
    
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